

Species Tag:	54003	Species Name:	C-13-H2CHCN
Version:	1		Acrylonitrile,
Date:	Jan. 1980		¹³ C isotope
Contributor:	R. L. Poynter		on atom 3
Lines Listed:	116	Q(300.0)=	27089.428
Freq. (GHz) <	180	Q(225.0)=	26631.754
Max. J:	10	Q(150.0)=	9578.558
LOGSTR0=	-8.6	Q(75.00)=	3386.102
LOGSTR1=	-6.4	Q(37.50)=	1197.292
Isotope Corr.:	-1.955	Q(18.75)=	366.860
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	141.710
μ_a =	3.68	A=	49180.
μ_b =	1.25	B=	4837.34
μ_c =		C=	4398.07

The experimental measurements were analyzed using the methods described in W. H. Kirchhoff, 1972, J. Mol. Spect. **41**, 333. The measurements were taken from C. C. Costain and B. P. Stoicheff, 1959, J. Chem. Phys. **30**, 77. The dipole moment was assumed to be the same as for the parent species.